

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the

application.

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Listing of Claims:

1. (Currently Amended) A gel type bone-filling composition for stimulating bone-formation and bone-consolidation comprising
 - 1) 20~80 weight % of mixture containing calcium sulfate CaSO_4 (90~99 weight %) and one or more inorganic salts selected from a group consisting of CaCO_3 , MgCO_3 , $\text{CaCO}_3 \cdot \text{MgCO}_3$ (4~10 weight %), and the mixture thereof, wherein calcium sulfate takes 90~99 weight % of the total weight of mixture and the inorganic salts take 1~10 weight % of the total weight of mixture; and
 - 2) 80~20 weight % of viscous biopolymer.
2. (Currently Amended) The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the composition comprises CaSO₄, calcium sulfate 98~99 weight %, CaCO_3 , 0.3~1 weight %, MgCO_3 , 0.3~1 weight % and $\text{CaCO}_3 \cdot \text{MgCO}_3$, 0.5~1 weight %.
3. (Currently Amended) The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the viscous biopolymer is selected from a group consisting of carboxymethylcellulose, hyaluronic acid, chitosan, polyacrylic acids, polyvinyl ethers, polyacrylates, cellulose ethers, cellulose esters, starches and polysaccharides.
4. (Original) The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 3, wherein the viscous biopolymer is carboxymethylcellulose.
5. (Original) The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the ratio of calcium sulfate to viscous biopolymer is 50:50.

6. (Cancelled)

7. (New) The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 1, wherein the calcium sulfate is CaSO_4 or $\text{CaSO}_4 \cdot \text{H}_2\text{O}$.

8. (New) The bone-filling composition for stimulating bone-formation and bone-consolidation as set forth in claim 2, wherein the calcium sulfate is CaSO_4 or $\text{CaSO}_4 \cdot \text{H}_2\text{O}$.